

TSA Air Cargo Screening Technology List (ACSTL)

Version 8.2 as of 10/11/2012

11 October 2012

Document Purpose: This document serves as an official guide for regulated parties to use when procuring screening equipment in accordance with TSA approved security programs. **Any technology purchased off this list must be utilized in accordance with measures outlined in a screener's Standard Security Program.** This list does not apply to equipment owned by TSA or equipment used in TSA sponsored tests or test beds.

Document Format: The document is divided into three sections: a qualified technology section, an approved technology section, and a grandfathered technology section. The qualified technology section specifies equipment, by technology, which has undergone a formal TSA sponsored test process and is deemed qualified for screening operations. When procuring equipment from the ACSTL, regulated parties are encouraged to select equipment from the qualified technology section. The approved technology section specifies equipment, by technology, which has been conditionally approved for screening operations and is currently undergoing or scheduled for field test activities. This equipment has up to 36 months from the date when it was added to the approved technology section to successfully pass TSA's suitability based field test activities. If it is unable to pass field test activities within the prescribed 36 months, it will be removed from the approved technology section on the specified expiration date. Due to this fact, regulated parties who procure equipment from the approved technology section do so at their own risk. Additional technologies may be added to the approved technology section at TSA's discretion. The grandfathered technology section specifies equipment, by technology, which is currently approved to screen cargo but has a stated expiration date. This allows regulated parties who are using the grandfathered technology an opportunity to gradually phase out the equipment and transition to devices listed in the qualified or approved sections. Due to this fact, regulated parties should not purchase equipment from this section; rather, they should reference the qualified or approved sections for their procurement needs.

Disclaimer: The approved technology section reflects equipment which has successfully passed Stage I of the qualification testing process. TSA reserves the right to remove equipment from this section if the equipment fails Stage II test activities. TSA also reserves the right to remove equipment from the approved or qualified section due to a device's inability to meet more stringent performance parameters associated with emerging threats. Should such a situation occur, TSA will issue specific guidance on how previously purchased equipment may be used.

Note: The Top Assembly Part Number is the only qualified configuration for each Device Model Number. Models with different part numbers are not considered qualified screening devices.

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Manufacturer points of contact are listed below by alphabetical order:

Company	Point of Contact	Phone Number	Email
Armstrong Monitoring	Scott Bissett	613-225-9531	sbissett@armstrongmonitoring.com
AS&E	Paul Freitas	978-262-8762	pfreitas@as-e.com
Astrophysics	Simon Bedford	858-774-8432	sbedford@astrophysicsinc.com
CEIA	Mark Meyer	330-405-3190	mmeyer@ceia-usa.com
Control Screening	Ken Voigtland	973-296-9531	kenV@A-Clear.com
ERIEZ	John Klinge	814-835-6328	jklinge@eriez.com
Gilardoni	Andrea Ascani Orsini	0341-705232	aao@gilardoni.it
InstroTek	Ali Regimand	919-875-8371	aregimand@instrotek.com
L-3	Ellen M. Howe	703-981-8161	Ellen.M.Howe@l-3com.com
Lock Inspection	David Arseneault	978-265-3117	darseneault@lockinspection.com
Morpho Detection	Daniel Mahlum	510-579-5250	daniel.mahlum@morphodetection.com
Rapiscan	Ruthanne Stoll	703-812-0322	rstoll@rapiscansystems.com
Reveal	Tony Russo	858-826-5593	Tony.russo@revealimaging.com
Smiths Detection	Mark Laustra	973-634-2070	Mark.Laustra@smithsdetection.com
S+S	Doug Pedersen	519-500-9471	doug.pedersen@sesotec.com

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Qualified Technology: The following list of **Non-Computed Tomography (Non-CT) Transmission X-ray Devices, Explosive Trace Detection (ETD) Devices, Explosive Detection Systems (EDS), and Carbon Dioxide (CO₂) Monitors** specifies equipment which has undergone a formal TSA sponsored test process and is deemed qualified for screening operations. When procuring equipment from the ACSTL, regulated parties are encouraged to select equipment from the qualified technology section.

Non-Computed Tomography (Non-CT) Transmission X-ray Devices

Manufacturer	Device Model Number	Required Top Assembly Part Number	Date Qualified
AS&E	Gemini 6040	299-0500	10/23/2009
AS&E	Gemini 7555	288-0500	10/23/2009
AS&E	Gemini 100100	302-0500	10/23/2009
Astrophysics Inc	6545VI	00-12-65VI-11	08/09/2012
Astrophysics Inc	XIS-100X	00-13-1XST-21	05/14/2010
Astrophysics Inc	XIS-100XD	00-13-1XDM-21	05/14/2010
Astrophysics Inc	XIS-100XDV	00-13-1XDV-21	10/23/2009
Astrophysics Inc	XIS-100XDX	00-22-1XDX-11	08/09/2012
Astrophysics Inc	XIS-1080	00-13-1080-21	05/14/2010
Astrophysics Inc	XIS-1080D	00-23-108D-21	08/09/2012
Astrophysics Inc	XIS-1517	00-13-1517-20	05/14/2010
Astrophysics Inc	XIS-1517 200kV	00-23-1517-20	08/09/2012
Astrophysics Inc	XIS-1517DV 200kV	00-22-15DV-20	08/09/2012
Astrophysics Inc	XIS-1818	00-13-1818-20	05/14/2010
Astrophysics Inc	XIS-1818 320kV	00-25-1818-20	05/14/2010
Astrophysics Inc	XIS-1818DV 200kV	00-22-18DV-20	08/09/2012
Astrophysics Inc	XIS-5878	00-13-5878-12	05/14/2010
Astrophysics Inc	XIS-6040	00-12-6040-21	05/14/2010
Astrophysics Inc	XIS-6545	00-13-6545-21	05/14/2010
Astrophysics Inc	XIS-6545DV	00-13-65DV-21	10/23/2009
Astrophysics Inc	XIS-7858	00-13-7858-21	05/14/2010
Control Screening	6040	6040M-AC2	05/14/2010
Control Screening	7555M	7555M-AC2	05/14/2010
Control Screening	100100T	100100T-AC2	05/14/2010
L-3	ACX 6.4	1000-ACX64-00	10/23/2009
L-3	ACX 6.4 MV	1000-MVACX-00	10/23/2009
L-3	CX 6000 P DV	002	05/14/2010
L-3	MVT-HR	1000-10001-HR 1000-10002-HR	02/03/2010
L-3	PX 6.4	1000-1PX64-00	05/14/2010
L-3	PX 10.10 MV	1000-P1010-2V	08/09/2012
L-3	PX 15.17 MV 200kV	0125-10732-00	08/09/2012

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Manufacturer	Device Model Number	Required Top Assembly Part Number	Date Qualified
L-3	PX 18.18 MV 200kV	0125-10734-00	08/09/2012
L-3	PX 107	1000-PX107-00	05/14/2010
L-3	PX 160 P	0125-10431-00	05/14/2010
L-3	PX 208	1000-PX208-00	05/14/2010
L-3	VDS 108	1000-10001-SF	05/14/2010
L-3	VIS-HR	1000-10001-VH	02/03/2010
Morpho Detection ¹	HRX 650	P0007033-003	05/14/2010
Morpho Detection ¹	HRX 750	P0007033-004	05/14/2010
Morpho Detection ¹	HRX 1000	P0007033-005	05/14/2010
Morpho Detection ¹	HRX 1000 DV	P0007033-011	05/14/2010
Morpho Detection ¹	HRX 1500	P0007033-012	05/14/2010
Morpho Detection ¹	HRX 1800	P0007033-013	05/14/2010
Rapiscan	620 DV	620DVRHS-AT 620DVLHS-AT 620DVRHS-STND 620DVLHS-STND	10/23/2009
Rapiscan	620 XR	620XRW-STND	10/23/2009
Rapiscan	622 XR	622XRW-STND	08/09/2012
Rapiscan	624 XR	624XRW-STND	08/09/2012
Rapiscan	627 DV	627DV-W115 627DV-STND	10/23/2009
Rapiscan	627 XR	627XRW-STND	10/23/2009
Rapiscan	628 DV	628DV115 628DV115-STND	05/14/2010
Rapiscan	628 XR	628XRW-STND	10/23/2009
Rapiscan	632 DV	632DV200 632DV-STND	10/23/2009
Rapiscan	632 XR	632XRW-STND	08/09/2012
Rapiscan	638 DV	638DV200 638DV-STND	10/23/2009
Rapiscan	638 XR	638XRW-STND	08/09/2012
Rapiscan	Eagle A 1000	A10T480	05/14/2010
Rapiscan	MVXR 5000	2010659-6	02/03/2010
Smiths Detection	6040 aTix	HS 6040 aTix	10/23/2009
Smiths Detection	6040 aX	HS 6040 aX	08/09/2012
Smiths Detection	6040 DS	HS 6040 ds	05/14/2010
Smiths Detection	6040 i	HS 6040 i	05/14/2010
Smiths Detection	6046 si	HS 6046 si	05/14/2010

¹ Due to Morpho Detection's business acquisition of General Electric Homeland Protection, either company data plate is acceptable as long as the Top Assembly Part Number matches the number listed in the qualified section.

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Manufacturer	Device Model Number	Required Top Assembly Part Number	Date Qualified
Smiths Detection	7555 aTiX	HS 7555 aTiX	05/14/2010
Smiths Detection	7555 aX	HS 7555 aX	08/09/2012
Smiths Detection	7555 i	HS 7555 i	05/14/2010
Smiths Detection	7555 si	HS 7555 si	05/14/2010
Smiths Detection	9075	HS 9075 ¹	05/14/2010
Smiths Detection	10080 EDtS	HS 10080 EDtS	10/23/2009
Smiths Detection	10080 EDX 2is	HS 10080 EDX-2is	10/23/2009
Smiths Detection	100100T	HS 100100T	08/09/2012
Smiths Detection	100100T 2is	HS 100100T-2is	10/23/2009
Smiths Detection	100100V	HS 100100V	05/14/2010
Smiths Detection	100100V-2is	HS100100V-2is	08/09/2012
Smiths Detection	130130T 2is	HS 130130T-2is	10/23/2009
Smiths Detection	145180	HS 145180 ¹	05/14/2010
Smiths Detection	180180	HS 180180 300kV	05/14/2010
Smiths Detection	180180 2is	HS 180180-300kV-2is	10/23/2009

¹ The "TS" shown in the startup screen as part of the top assembly part number does not indicate a different hardware configuration.

Explosive Trace Detection (ETD)

Manufacturer	Device Model Number	Required Top Assembly Part Number	Date Qualified
Morpho Detection ¹	Itemiser DX	P0007018-014-CAR Rev. 2 ² P0007018-014-TSA	08/24/2010
Smiths Detection	Ionscan 500DT	4816800AE-201 4816800AE-201-A 4816800AE-205-A 4816800AE-215-A 4816800AE-401-B 4816800AE-401-C 4816800AE-411-A	08/24/2010

¹ Due to Morpho Detection's business acquisition of General Electric Homeland Protection, either company data plate is acceptable as long as the Top Assembly Part Number matches the number listed in the qualified section.

² If the label for Itemiser DX does not match the ACSTL, please contact Morpho Detection for correction.

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Explosive Detection Systems (EDS)

Manufacturer	Device Model Number	Required Top Assembly Part Number	Date Qualified
L-3	eXaminer 6000	1000-11216-00 106106 Rev N2	10/23/2009
L-3	eXaminer 6600	1000-11216-00 106106 Rev N2	10/23/2009
L-3	eXaminer SX	10-64987-01	08/10/2012
L-3	eXaminer 3DX	106016	08/10/2012
L-3	eXaminer 3DX ES	1000-11700-00	08/10/2012
L-3	XLB High-Speed	1000-11572-00	08/10/2012
Morpho Detection ¹	CTX-2500	103100-1 Rev. AM	10/23/2009
Morpho Detection ¹	CTX-5500DS	103000-1	10/23/2009
Morpho Detection ¹	CTX-5800	500000-2	08/10/2012
Morpho Detection ¹	CTX-9000DSi	600600-1 Rev. CE	10/23/2009
Morpho Detection ¹	CTX-9400DSi	605200-1 Rev. B	10/23/2009
Morpho Detection ¹	CTX-9800DSi	605577-1	08/10/2012
Reveal	CT-80	10360-1 Rev. D	10/23/2009
Reveal	CT-80DR	10360-1DR Rev. A	10/23/2009
Reveal	CT-80DR+	11729-1 Rev. A	08/10/2012

¹ Due to Morpho Detection's business acquisition of General Electric Homeland Protection, either company data plate is acceptable as long as the Top Assembly Part Number matches the number listed in the qualified section.

Carbon Dioxide (CO₂) Monitors

Manufacturer	Device Model Number	Required Top Assembly Part Number	Date Approved
Armstrong Monitoring	CD-2 Human CD-2 Occupancy Monitory	AMC-CD-2	08/27/2010
InstroTek	Guard 1	1010000	08/27/2010

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Approved Technology: The following list of **Non-Computed Tomography (Non-CT) Transmission X-ray Devices and Electronic Metal Detection (EMD) Devices** specifies equipment, by technology, which has been conditionally approved for screening operations and is currently undergoing or scheduled for field test activities. This equipment has up to 36 months from the date when it was added to the approved technology section to successfully pass TSA's suitability based field test activities. If it is unable to pass field test activities within the prescribed 36 months, it will be removed from the Approved Technology section at the prescribed expiration date. Due to this fact, regulated parties who procure equipment from the approved technology section do so at their own risk. Additional technologies may be added to the list at TSA's discretion.

Non-Computed Tomography (Non-CT) Transmission X-ray Devices

Manufacturer	Device Model Number	Required Top Assembly Part Number	Date Approved
Gilardoni	FEP ME 755 AMX	05141096	08/09/2012
Smiths Detection	100100V	HS 100100V	03/30/2011
Smiths Detection	180180 2is	HS 180180-300kV-2is	03/30/2011

Electronic Metal Detection (EMD) Devices

Manufacturer	Device Model Number	Required Top Assembly Part Number	Date Approved
CEIA	EMIS 6047	EMIS6047 EMIS_6047_001	05/24/2011
CEIA	EMIS 8075	EMIS8075 EMIS_8075_001	05/24/2011
CEIA	EMIS 110160	EMIS_110160_001	05/24/2011
CEIA	EMIS 130160	EMIS_130160_001	05/24/2011
ERIEZ	EZ-Tec DSP	825495	05/24/2011
S+S	Unicon 800600	77033059	05/24/2011

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Grandfathered Technology: The following list of **Explosive Trace Detection (ETD) Devices and Electronic Metal Detection (EMD) Devices** specifies equipment, by technology, which is currently approved to screen cargo but has a stated expiration date. This allows regulated parties who are using the grandfathered technology an opportunity to gradually phase out the equipment and transition to devices listed in the qualified or approved sections. Due to this fact, regulated parties should not purchase equipment from this section; rather, they should reference the qualified or approved sections for their procurement needs.

Explosive Trace Detection (ETD) Devices

Manufacturer	Device Model Number	Required Top Assembly Part Number	Date Added	Expiration Date
Morpho Detection ¹	Itemiser 2 ²	P0007004-006 Rev. 010 P0007004-006 Rev. 011 P0007004-006 Rev. 012	05/14/2010	01/01/2014
Morpho Detection ¹	Vapor Trace II (Particle Mode Only)	P0007019-005	05/14/2010	11/30/2012
Smiths Detection	Ionscan 400B	4812570-111-A1 4812570-115-A	05/14/2010	01/01/2014
Smiths Detection	Ionscan 500DT	4816800AE-201 4816800AE-201-A	08/24/2010	01/01/2014
Smiths Detection	Sabre 4000 (Particle Mode Only)	4818100	05/14/2010	11/30/2012

¹ Due to Morpho Detection's business acquisition of General Electric Homeland Protection, either company data plate is acceptable as long as the Top Assembly Part Number matches the number listed in the grandfathered section.

² The Itemiser 98 is an equivalent Device Model Number to the Itemiser 2.

Electronic Metal Detection (EMD) Devices

Manufacturer	Device Model Number	Required Top Assembly Part Number	Date Added	Expiration Date
Lock Inspection	Metalchek 30+	50899	05/24/2011	04/27/2013